ABSTRACT OF THE DISCLOSURE

After the OFDM signal for MMAC is received by a receiving unit , an FFT processing unit converts such OFDM signal into the signal Y(l, k) in the frequency axis direction. A data extracting unit extracts a data signal Y(l, kd) and a pilot extracting unit extracts a pilot signal Y(l, kp). A complex dividing unit divides the extracted pilot signal with a pilot signal X(l, kp) having the identical amplitude and phase as that in the transmitting side. An interpolating unit performs a linear interpolation by using a transmission path response H(l, kp) of the pilot signal in order to calculate the transmission path estimation value H'(l, k) of the data signal. A complex dividing unit divides the extracted data signal with the transmission path estimation value of the data signal in order to calculate the data signal Y'(l, kd) that is compensated in the amplitude and phase.